

CONDENSED CLIMATOLOGICAL SUMMARY.

In the following table are given for the various sections of the climatological service of the Weather Bureau the monthly average temperature and total rainfall; the stations reporting the highest and lowest temperatures with dates of occurrence; the stations reporting the greatest and least total precipitation, and other data, as indicated by the several headings.

The mean temperature for each section, the highest

and lowest temperatures, the average precipitation, and the greatest and least monthly amounts are found by using all trustworthy records available.

The mean departures from normal temperatures and precipitation are based only on records from stations that have 10 or more years of observations. Of course, the number of such records is smaller than the total number of stations.

Summary of temperature and precipitation, by sections, January, 1914.

Section.	Temperature—in degrees Fahrenheit.								Precipitation—in inches and hundredths.					
	Section average.	Departure from the normal.	Monthly extremes.				Section average.	Departure from the normal.	Greatest monthly.		Least monthly.			
			Station.	Highest.	Date.	Station.			Lowest.	Date.	Station.	Amount.	Station.	Amount.
Alabama.....	48.0	+ 2.6	Evergreen.....	82	29	Hamilton.....	16	12	2.19	-2.43	Mentone.....	5.40	Daphne.....	0.62
Arizona.....	46.8	+ 3.0	Tucson (2).....	84	7	Fort Valley.....	-13	29	0.97	-0.23	Thomas.....	6.33	Thatcher.....	T.
Arkansas.....	46.8	+ 5.4	Camden.....	82	19	Pond.....	7	31	1.57	-2.20	Hardy.....	3.71	Eldorado.....	T.
California.....	48.9	+ 1.1	Riverside.....	87	c	Tamarack.....	-16	28	13.09	+7.68	Helen Mine.....	43.68	Bagdad.....	0.00
Colorado.....	38.6	+ 1.1	Canon City.....	74	c	2 stations.....	-35	11†	1.69	+0.47	Rice.....	9.81	6 stations.....	0.00
Florida.....	58.1	+ 0.2	Fort Lauderdale.....	88	10	Garniers (near).....	21	7	4.22	+1.61	New Smyrna.....	7.81	Avon Park.....	0.52
Georgia.....	47.2	+ 0.2	Bainbridge.....	84	29	Mineral bluff.....	14	14	2.38	-1.43	Quitman.....	5.85	Carlton.....	1.31
Hawaii, [Dec., 1913].....	69.6	+ 1.0	Mahukona.....	97	7	Humuila.....	-41	14	5.73	.....	Hakalau.....	29.45	3 stations.....	0.00
Idaho.....	30.4	+ 4.8	Culdesac.....	82	17	Black foot Dam.....	-27	12	2.90	+0.63	Burke.....	8.37	Grandview.....	0.22
Illinois.....	34.0	+ 7.3	Golconda.....	72	29	Dakota.....	-3	13	1.93	-0.46	Chester.....	3.12	Morrison.....	0.76
Indiana.....	34.9	+ 5.3	Rome.....	71	29	Hammond.....	3	13	2.26	-0.79	Salamonia.....	2.49	Collegeville.....	0.53
Iowa.....	27.8	+ 9.9	Keokuk.....	84	28	2 stations.....	-10	12	0.88	-0.17	Fort Madison.....	2.34	Pacific Junction.....	0.27
Kansas.....	37.8	+ 7.9	Liberal.....	78	28	Irene.....	0	11	0.17	-0.58	Columbus.....	1.42	5 stations.....	0.00
Kentucky.....	39.4	+ 4.0	3 stations.....	82	3†	Farmers.....	5	13	2.29	-1.93	Alpha.....	3.45	Leitchfield.....	1.41
Louisiana.....	52.2	+ 3.9	Donaldsonville.....	92	3†	Grand Cane.....	16	6†	1.05	-2.98	Burwood.....	3.03	Jeanerette.....	0.00
Maryland and Delaware.....	36.1	+ 3.4	Westport.....	76	28	Deer Park.....	-14	14	3.84	+0.82	Fallston.....	6.07	Westport.....	1.71
Michigan.....	25.1	+ 4.7	Lansing.....	63	28	Humboldt.....	-30	25	2.55	+0.53	Allegan.....	5.96	Charlevoix.....	0.90
Minnesota.....	16.9	+ 9.0	Winnebago.....	57	15	2 stations.....	-38	25	0.81	+0.03	Caledonia.....	2.42	Angus.....	0.28
Mississippi.....	49.8	+ 3.2	Rosedale.....	81	19	Tupelo.....	-20	12†	1.07	-3.69	Shubuta.....	1.74	Holly Bluff.....	0.27
Missouri.....	38.1	+ 6.9	Hollister.....	78	28	Dean.....	-1	31	1.42	-0.92	Doniphan.....	3.47	Liberty.....	0.05
Montana.....	26.3	+ 8.2	Ingomar.....	69	13	Babb.....	-41	26	0.75	-0.27	Haugan.....	5.58	3 stations.....	T.
Nebraska.....	31.3	+ 10.1	Culbertson.....	72	28	Curly.....	9	11	0.23	-0.33	Madison.....	1.10	.....	0.00
Nevada.....	34.2	+ 5.3	Logan.....	87	1	Tecoma.....	-25	11	3.06	+1.82	Marlette Lake.....	15.86	San Jacinto.....	0.14
New England.....	21.1	+ 0.4	2 stations.....	63	30	Bloomfield, Vt.....	-44	14	2.93	-0.72	New Haven, Conn.....	5.58	Cornwall, Vt.....	1.16
New Jersey.....	31.9	+ 1.9	Tuckerton.....	73	30	Culvers Lake.....	-18	14	3.85	0.00	Newark.....	6.15	Mahwah.....	1.95
New Mexico.....	38.6	+ 3.4	Lakewood.....	85	23	Dulce.....	-27	29	0.24	-0.27	Dulce.....	2.30	27 stations.....	0.00
New York.....	22.6	+ 3.0	Allegany.....	68	29	2 stations.....	-43	14	2.65	-0.23	Bedford.....	7.28	2 stations.....	0.90
North Carolina.....	43.5	+ 0.3	Newbern.....	82	30	.....do.....	9	12†	2.62	-1.08	Highlands.....	4.53	Belhaven.....	0.71
North Dakota.....	14.8	+ 9.8	Hettinger.....	62	16†	Willow City.....	-38	24	0.50	+0.01	Walhalla.....	1.80	Orange.....	0.00
Ohio.....	39.4	+ 5.2	2 stations.....	75	23†	Garrettsville.....	-17	14	2.39	-0.62	North Royalton.....	3.95	Kenton.....	0.00
Oklahoma.....	45.0	+ 6.4	Erick.....	87	25	3 stations.....	-6	30	0.39	-0.87	Webbers Falls.....	3.50	29 stations.....	0.00
Oregon.....	38.5	+ 4.9	Hermiston.....	72	21	Austin.....	10	8	1.14	+3.74	Glenora.....	42.80	Diamond.....	0.58
Pennsylvania.....	30.2	+ 2.1	Irwin.....	81	29	Lawrenceville.....	-27	14	3.37	+0.14	Lock Haven.....	5.77	Montrose.....	1.40
Porto Rico.....	73.2	+ 0.1	3 stations.....	92	2†	Cayey.....	44	19	2.38	-1.22	Cavite Dam.....	5.70	Guanica Centrale.....	0.44
South Carolina.....	46.7	+ 1.3	Walterboro.....	81	29	Meriwether.....	13	14	2.66	-0.76	Georgetown.....	5.05	Liberty.....	1.11
South Dakota.....	25.3	+ 9.0	Hermosa.....	72	7	Eureka.....	-23	12	0.33	-0.30	Hardy Ranger Sta.....	1.79	6 stations.....	T.
Tennessee.....	42.5	+ 4.1	Johnson City.....	77	28	Crossville.....	3	12	2.10	-2.36	Erasmus.....	5.36	Bolivar.....	0.65
Texas.....	53.3	+ 5.3	Fort McIntosh.....	98	18	Romero.....	12	13	0.35	-1.15	Valley Junction.....	2.50	32 stations.....	0.00
Utah.....	28.5	+ 1.8	Springdale.....	71	8	Woodside.....	-33	10	2.61	+1.28	Park City.....	7.90	Midlake.....	0.09
Virginia.....	39.4	+ 4.2	Ivor.....	76	30	.....do.....	-1	13	3.23	+0.10	Mountain Lake.....	6.20	Woodstock.....	1.64
Washington.....	36.9	+ 5.8	Walla Walla.....	70	6	.....do.....	8	24†	8.65	+3.56	Duckabush.....	40.00	Hanford.....	1.12
West Virginia.....	35.8	+ 3.5	2 stations.....	83	29	Bayard.....	-11	14	3.18	-0.73	Bayard.....	5.65	Parkersburg.....	1.55
Wisconsin.....	22.8	+ 8.6	Milwaukee.....	56	28	Solon Springs.....	-33	25	1.16	-0.17	Rest Lake.....	2.52	Valley Junction.....	0.40
Wyoming.....	24.4	+ 4.0	Wheatland.....	69	18	Snake River, Y. N. P.....	-40	12	1.09	+0.19	Snake River, Y. N. P.....	10.49	3 stations.....	T.

† Other dates also.

DESCRIPTION OF TABLES AND CHARTS.

Table I gives the data ordinarily needed for climatological studies for about 158 Weather Bureau stations making simultaneous observations at 8 a. m. and 8 p. m., seventy-fifth meridian time daily, and for about 41 others making only one observation. The altitudes of the instruments above ground are also given.

Table II gives a record of precipitation the intensity of which at some period of the storm's continuance equaled or exceeded the following rates:

Duration (minutes)...	5	10	15	20	25	30	35	40	45	50	60
Rates per hour (inches)	3.00	1.80	1.40	1.20	1.08	1.00	0.94	0.90	0.87	0.84	0.80

In cases where no storm of sufficient intensity to entitle it to a place in the full table has occurred, the greatest precipitation of any single storm has been given, also the greatest hourly fall during that storm.

Table III gives, for about 30 stations of the Canadian Meteorological Service, the means of pressure and tem-

perature, total precipitation and depth of snowfall, and the respective departures from normal values, except in the case of snowfall.

Chart I.—Hydrographs for several of the principal rivers of the United States.

Chart II.—Tracks of centers of high areas; and

Chart III.—Tracks of centers of low areas. The roman numerals show the chronological order of the centers. The figures within the circles show the days of the month; the letters *a* and *p* indicate, respectively, the observations at 8 a. m. and 8 p. m., seventy-fifth meridian time. Within each circle is also given (Chart II) the last three figures of the highest barometric reading and (Chart III) the lowest reading reported at or near the center at that time, and in both cases as reduced to sea level and standard gravity.

Chart IV.—Total precipitation. The scale of shades showing the depth is given on the chart. Where the monthly amounts are too small to justify shading, and